

a2
9. (Amended) A projector in accordance with claim 8, wherein the ceramic is composed of any material selected from the group consisting of Al_2O_3 , $2\text{MgO}\cdot\text{SiO}_2$, $\text{MgO}\cdot\text{SiO}_2$, $\text{ZrO}_2\cdot\text{SiO}_2$, TiO_2 , SiC , Si_3N_4 , ZrO_2 , and cermet.

Please add the following new claims:

a3
14. (New) A light source device in accordance with claim 3, wherein the material is Al_2O_3 .

15. (New) A light source device in accordance with claim 3, wherein the material is $2\text{MgO}\cdot\text{SiO}_2$.

16. (New) A light source device in accordance with claim 3, wherein the material is $\text{MgO}\cdot\text{SiO}_2$.

17. (New) A light source device in accordance with claim 3, wherein the material is $\text{ZrO}_2\cdot\text{SiO}_2$.

18. (New) A light source device in accordance with claim 3, wherein the material is TiO_2 .

19. (New) A light source device in accordance with claim 3, wherein the material is SiC .

20. (New) A light source device in accordance with claim 3, wherein the material is Si_3N_4 .

21. (New) A light source device in accordance with claim 3, wherein the material is ZrO_2 .

22. (New) A light source device in accordance with claim 3, wherein the material is cermet.

23. (New) A projector in accordance with claim 9, wherein the material is Al_2O_3 .

24. (New) A projector in accordance with claim 9, wherein the material is $2\text{MgO} \cdot \text{SiO}_2$.

25. (New) A projector in accordance with claim 9, wherein the material is $\text{MgO} \cdot \text{SiO}_2$.

26. (New) A projector in accordance with claim 9, wherein the material is $\text{ZrO}_2 \cdot \text{SiO}_2$.

27. (New) A projector in accordance with claim 9, wherein the material is TiO_2 .

28. (New) A projector in accordance with claim 9, wherein the material is SiC .

29. (New) A projector in accordance with claim 9, wherein the material is Si_3N_4 .

30. (New) A projector in accordance with claim 9, wherein the material is ZrO_2 .

31. (New) A projector in accordance with claim 9, wherein the material is cermet.

DISCUSSION OF THE AMENDMENT

Claims 3 and 9 have each been amended by deleting "compounds", since it is understood that the term " TiO_2 " is inclusive of all compounds having that formula which meet the recited thermal conductivity limitation.

New Claims 14-31 have been added, and are supported by Claims 3 and 9.

No new matter has been added by the above amendment. Claims 1-31 are now pending in the application.

REMARKS

As recited in Claim 1, the claimed invention is a light source device, comprising a light source lamp; and a reflector that reflects light emitted from the light source lamp,